© C	terial Compositi opyright 2005. IPC, B national and Pan-Am	annockbi	urn, Illinois. A	ll rights reserved untions.	under both	This docum level parts, t	ent is a declaration	ion of the s encompasse	ubstances es all lower	within the manufactur level materials for w	rer listed i hich the n	tem. Note: i nanufacturer	f the item is an as r has engineering	sembly with lower responsibility.	
					Form Type Distribute	e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
Supplier Information	L														
Company name*			Company unique ID				Unique ID Authority				Response Date*				
onsemi											2023-06-08				
Contact Name			Title - Contact				Phone - Contact*				Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Phone - Representative*			Email - Representative*						
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item	equester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	fective Date Version Manufacturing Site		Ianufacturing Site		Weight*	UOM	Unit Type	
	1	NCV51200MLTXG 3		3A DDR / VTT TERMINATION		N	2023-06-08		N	MY1		24.66	mg	Each	
Manufacturing Proce	ess Information														
Terminal Plating / Grid Array Material Term			rminal Base Alloy J-STD-020 MSL R			L Rating	Peak Process Body Temperature Max Time at Peak			Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Allo			U Alloy		1		260		С	30	secon	ds 3			
Comments															
evel 1 - maximum time at	peak temperature du	uring sole	dering is 10-3	0 seconds											
For more information rega	rding material comp	position p	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	stislav Drska	Le									

Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.64	mg	Supplier	Silicon (Si)	7440-21-3		0.64	mg
Die Attach	0.11	mg	Supplier	Silver (Ag)	7440-22-4		0.0825	mg
			Supplier	Epoxy resins	129915-35-1		0.0275	mg
Lead Frame	10.69	mg	Supplier	Silver (Ag)	7440-22-4		0.1069	mg
			Supplier	Tin (Sn)	7440-31-5		0.0267	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0235	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0267	mg
			Supplier	Copper (Cu)	7440-50-8		10.5061	mg
Mold Compound-Black	12.39	mg		Epoxy resin	proprietary data		0.5823	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.239	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0124	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		9.974	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.5823	mg
Plating	0.56	mg	Supplier	Tin (Sn)	7440-31-5		0.56	mg
Wire Bond - Au	0.27	mg	Supplier	Gold (Au)	7440-57-5		0.27	mg

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).